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## PHP Array<sup>3</sup>

A array stores multiple value in one single variable.

Example

```
<?php  
$cars = array("BMW", "Toyota", "Marcedes");  
echo "I like". cars[0]. ", ". $cars[1]. " & " $cars[2].  
      ". ";  
?>
```

### What is an Array

- An array is a special variable, which can hold more than one value at a time.
- An array can hold many values under a single name, & you can access the value by referring to an index value.

### Create An Array in PHP

In PHP there are three types of array.

- Indexed Array - Arrays with numeric index.
- Associative array - Array with named key.
- Multidimensional Array - Array containing one or more array.



## PHP Indexed Array

There are two ways to create index array. The index can be assigned automatically (index always start at 0), like this.

### Example

```
<?php
$cars = array("Volvo", "BMW", "Toyota");
echo "I like". $cars[0]. ", ". $cars[1]. " and ".
    $cars[2]. ". ";
?>
```

### Loop through an Indexed Array

```
<?php
$cars = array("Volvo", "BMW", "Toyota");
$carlength = count($cars);

for ($x = 0; $x < $carlength; $x++) {
    echo $cars[$x];
    echo "<br>";
}
?>
```



## PHP Associative Arrays

Associative arrays are array that used named keys that you that you assigned to them.

There are two ways to create an associative array:

```
$age = array("Tejas" => "20", "Siya" => "21", "Darnab" => "22");
```

or:

```
$age['Tejas'] = "20";
```

```
$age['Siya'] = "21";
```

```
$age['Darnab'] = "22";
```

Example:

```
<?php
```

```
$age = array("Tejas" => "20", "Siya" => "21",  
             "Darnab" => "22");
```

```
echo "Tejas is " . $age['Tejas'] . " year old."  
?>
```



## PHP Sorting Arrays

The elements in an array can be sorted in alphabetical or numerical order, descending or ascending.

### PHP - Sort Functions for Arrays

- `sort()` - Sort arrays in ascending order
- `rsort()` - Sort arrays in descending order.
- `asort()` - Sort associative arrays in ascending order, according to value.
- `krsort()` - Sort associative arrays ascending order according to the key.